

# Notice of Allowability

Application No.

10/741,659

Examiner

John Pezzlo

Applicant(s)

WANG ET AL.

Art Unit

2662

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 11 July 2005.
2. ☒ The allowed claim(s) is/are 1-10, 12-14 (renumbered 1-13 respectively).
3. ☒ The drawings filed on 19 December 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

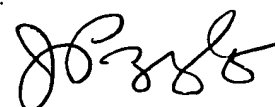
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
JOHN PEZZLO  
PRIMARY EXAMINER

## **DETAILED ACTION**

### ***Allowable Subject Matter***

Claims 1-10, and 12-14 are allowable over the prior art of record.

### ***Reasons for Allowance***

The following is an examiner's statement of reasons for allowance: Applicants have claimed the following uniquely distinct features in the instant invention, which are not found in the prior art, either singularly or in combination:

1. Regarding claim 1 - A method of performing power save operation in a wireless local area network (WLAN) by a mobile station, a recurring service period schedule set up between the mobile station and an access point including regularly scheduled service periods for a reserved traffic stream, the reserved traffic stream identified by a reserved traffic stream identifier, the mobile station having a WLAN subsystem that is initially in a low power mode, the method comprising: powering up the WLAN subsystem of the mobile station, commencing a scheduled service period, receiving from the access point at the end of a scheduled service period an indication that the access point has more reserved data of a reserved traffic stream in a buffer of the access point at an end of the scheduled service period, placing the WLAN subsystem into low power mode at the end of the scheduled service period, commencing an unscheduled service period to retrieve the remaining data buffered at the access point for the mobile station,

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comprising: powering up the WLAN subsystem, transmitting a polling frame to the access point, the polling frame including the reserved traffic stream identifier, receiving at least one response frame from the access point in response to transmitting the polling frame, and placing the WLAN subsystem into low power mode after receiving the at least one response frame.

2. Regarding claim 10 - A method of retrieving data from an access point by a mobile station in a wireless local area network (WLAN), the reserved data corresponding to a reserved traffic stream and identified by a reserved traffic stream identifier, the method comprising: performing a scheduled transaction between the mobile station and access point during a scheduled service period, the mobile station transitioning from a low power WLAN mode to an active WLAN mode to commence the scheduled transaction, and then transitioning from the active WLAN mode to a low power WLAN mode upon completion the scheduled transaction, wherein the access point indicates at the end of the scheduled transaction that the access point has buffered data for the mobile station that could not be delivered within the scheduled service period, and performing an unscheduled transaction between the mobile station and access point during an unscheduled service period, the mobile station transitioning from a low power WLAN mode to an active WLAN mode to initiate the unscheduled transaction, and then transitioning from the active WLAN mode to a low power WLAN mode upon completing the unscheduled transaction, wherein performing the unscheduled transaction is performed in response to receiving the indication from the access point that the access point has buffered data for the mobile station that could not be delivered within the scheduled service period.

The closest prior art, either singularly or in combination, fail to anticipate or render the above limitations obvious.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Claims 1-10, and 12-14 being allowable, **Prosecution On The Merits Is Closed** in this application.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

1. Walton et al. (US 2005/0135318 A1) discloses a high speed media access control with legacy system interoperability.
2. Gollnick et al. (US 5,940,771) discloses a network supporting roaming, sleeping terminals.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Pezzlo whose telephone number is (571) 272-3090. The examiner can normally be reached on Monday to Friday from 8:30 AM to 4:30 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou, can be reached on (571) 272-3088. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2600.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C.

or faxed to:

(703) 872-9306

For informal or draft communications, please label "PROPOSED" or "DRAFT"

Hand delivered responses should be brought to:

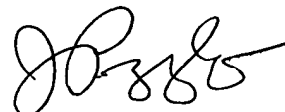
Jefferson Building

500 Dulany Street

Alexandria, VA.

John Pezzlo

27 July 2005



**JOHN PEZZLO**  
PRIMARY EXAMINER